

What is KBase?

The Department of Energy Systems Biology Knowledgebase (KBase) is a free, open source, online software and data platform for analysis of genome-based features in biological systems. It integrates data and tools into a user-friendly interface that leverages DOE computational resources to perform sophisticated systems level analyses.

Why use KBase?

KBase provides data and tools for systems biology inquiry and discovery. Our Apps save you time by finishing analyses in hours or days, compared to weeks on your laptop. KBase makes research transparent, reproducible, and easy to share. Additionally, there is no cost for using KBase!

Who can use KBase?

Anyone! KBase is designed for bench biologists and bioinformaticians alike. Researchers of all skill levels can benefit from the user-friendly analyses. Additionally, those seeking to improve their skills can review Narrative Tutorials and Research Narratives to see how others are using KBase.

What reference data are in KBase?

In addition to being able to import and analyze your own data, KBase provides access to data from JGI's Phytozome and MycoCosm, NCBI's RefSeq, and the PlantSEED Database. Additionally, users have access to over 500 media types for both heterotrophic and auxotrophic growth simulations.



How do I get started?

To create your free KBBase account, go to kbase.us and click the 'Sign Up' button in the upper righthand corner. Then, select the 'Create New KBBase Account' button. From here, you can create an account using either your Google, ORCID, or Globus account.

What software do I need to use KBBase?

None! All you need is a computer and an internet connection. KBBase analyses are run on DOE supercomputing infrastructure, not your personal computer. This allows analysis jobs to run in the background while you continue to use your computer for other tasks.

What if I need help?

If you need more information about running an analysis, check out the Narrative Library page. We provide Tutorials for common analyses and Research Narratives that can help you find fresh ideas for analytical workflows. If you have any questions, email us directly!

Do you have any questions? Do you want to collaborate with us? Are you curious about how to put your tool in KBBase? Contact Us!

engage@kbase.us



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